CHEER
LED DISPLAY

Cheer Your World With Innovation

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CHEER
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PRODUCT CATALOGUE LED DISPLAY

Cheer Your World With Innovation

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About Us

CHEER OPTO is a professional LED display manufacturer and commercial display solution provider based in Shenzhen, China, integrating production with direct sales since 2020.

With over 20 years of industry experience in LED applications and international project support, we have delivered reliable, cost-effective display solutions to customers across 50+ countries worldwide.

Our main products include indoor & outdoor LED displays, fine pitch LED screens, transparent LED displays, rental LED displays, and customized commercial display solutions.
With experienced engineers, skilled production teams, and strict quality control standards, all products are CE & RoHS compliant. We provide OEM & ODM services, fast delivery, and one-stop support from design, production to after-sales service.

CHEER OPTO is committed to delivering reliable products, efficient communication, and long-term cooperation for distributors, system integrators, advertising companies, and global project partners.









Production Process

Indoor LED Display Production Process


Solder Paste Printing


Component Mounting


Connector Mounting


Fully-automatic Conveyor Belt


Reflow Soldering


Lamp Mounting


Automatic Screw-Tightening


Module Aging


Fully-automatic Vacuum Packing Machine


Cabinet Assembly


Cabinet Aging


Whole-screen Shipment


On-site Installation and Debugging

Outdoor LED Display Production Process


Solder Paste Printing


Component Mounting


Connector Mounting


Fully-automatic Conveyor Belt


Reflow Soldering


Lamp Mounting


Automatic brushing of three-proof paint


Lamp surface potting


Automatic conveying and drying equipment


Automatic Screw-Tightening


Module Aging


Cabinet Assembly


Cabinet Aging


Whole-screen Shipment


On-site Installation and Debugging

Our Service

7/24 Hours Service

Cheer provides you with one-stop services covered from installation to training and maintenance, insisting on customer-oriented corporate culture and attitude.

3 Years Warranty & Spare Parts

3 years warranty guarantees you reassuring user experience. We always care about your satisfaction.

Over 20 Years Experience, Sales&Technical Support

Based on the abundant experience team's cooperation of sales, technical and logistic department, Cheer provides excellent pre-sale services and after-sale services.

Cheer Specialized Cost-Saving Solution



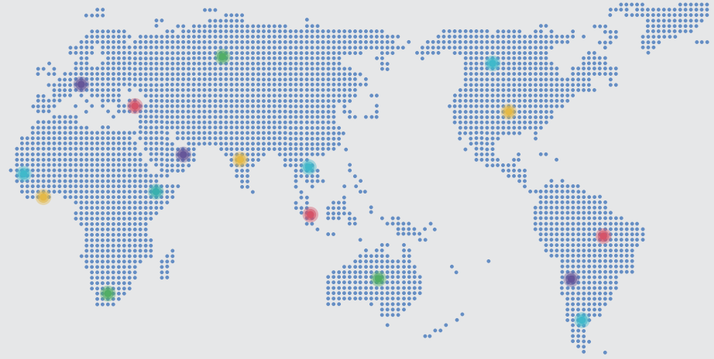
Not only the integrated solution of the whole LED display screen , Cheer also can provide LED screen components, including modules, power supplies, cables, and control cards, ensuring a seamless and integrated display system. Comprehensive Product Offering helps our customer to get more cost-effective display solution.

Qualification Certification





Distribution of Global Market

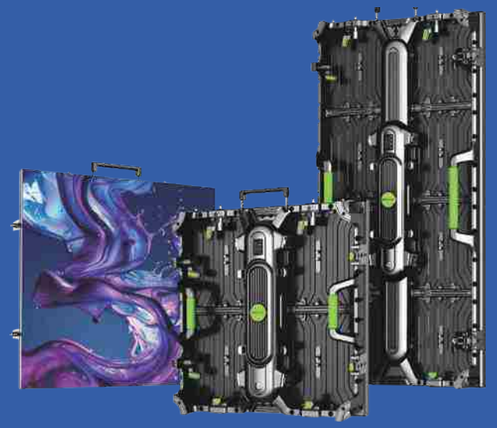


No Matter Where You Come From

We Are Committed To Solving The Problem Of Your LED Display

Our Global Footprint:
With an extensive global network covering the United States, South America, Europe, the Middle East, Africa, Southeast Asia, Russia, Japan and other regions.

We have successfully delivered over 1,000 LED display projects to clients worldwide, supported by more than 30 trusted long-term distributors across the globe.



Rental & Stage LED Display RS Series

Indoor & Outdoor Rental LED Display

Fast-install rental display, delivers seamless curved visuals for live events.

Anti-Collision Corner

Independent Power Box Fast Maintenance

3S
3 Seconds Fast Installation

Hz
3840Hz

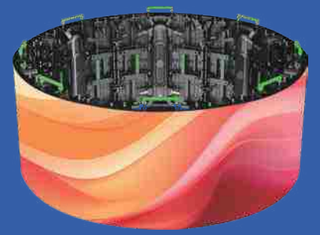
Arc Lock

Parameter

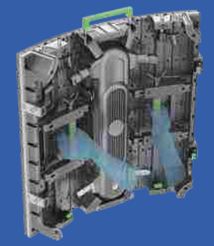
Model	CHEER-RS1.95GOB	CHEER-RS2.6GOB	CHEER-RS2.97	CHEER-RS3.91	CHEER-RS3.91
Pixel Pitch	1.95mm	2.60mm	2.97mm	3.91mm	3.91mm
Environment	Indoor				Outdoor
Brightness	≦800cd/㎡			≦1000cd/㎡	≦4500cd/㎡
Pixel Density	262144 dots/㎡	147456 dots/㎡	112896 dots/㎡	65536 dots/㎡	65536 dots/㎡
Module Size(WxH)	250×250mm				
Panel Size	500×500×84.5mm				
Panel Resolution	256×256 dots	192×192 dots	168×168 dots	128×128 dots	128×128 dots
Panel Weight	8kg				
Ingress Protection	IP31				IP65
Viewing distance	2–50m	2.6–50m	3–100m	4–100m	
ViewingAngle(HV)	160°/160°				
Drive Mode	1/32S		1/28S	1/16S	
Input Power/Panel(Max)	600w/㎡				800w/㎡
Input Power/Panel(Ave)	200–300w/㎡				300–400w/㎡
Refresh Rate	3840Hz				
Input Voltage	AC90–264V 47–63Hz				
Maintenance	Front/rear				

Ultra-Flexible Curved Installation

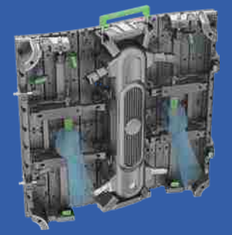
8 cabinets assemble into a 1.21m diameter circle, offering outstanding flexibility for creative curved layouts.



Maximum Curve



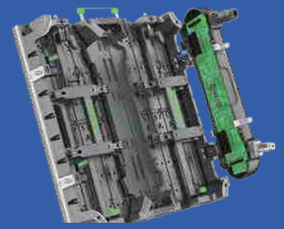
Outer/Inner arc Angle 30°



S-Shaped Inner and Outer arc Angles15°

Front and Rear Maintenance

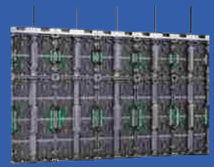
Modular design effectively improves the mainance efficiency, saves the maintenance time and cost.



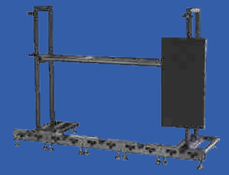


Installation Method

Fast locks design, reach fast assembly and disassembly.



Hanging Installation



Floor-standing installation

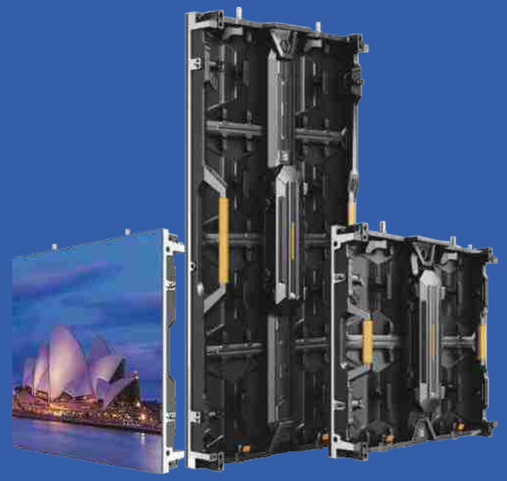
Wide Application











Rental & Stage LED Display RP Series

Indoor & Outdoor Rental LED Display-Pro

Durable professional rental screen, smooth arcs ideal for stages and exhibitions.

- Anti-Collision Corner
- Independent Power Box Fast Maintenance
- 3S — 3 Seconds Fast Installation
- Hz — 3840Hz
- Arc Lock

Parameter

Model	CHEER-RP1.9GOB	CHEER-RP2.9	CHEER-RP3.9	CHEER-RP2.6	CHEER-RP2.9	CHEER-RP3.9
Pixel Pitch	1.953mm	2.976mm	3.91mm	2.604mm	2.976mm	3.91mm
Enviroment	Indoor			Outdoor		
Brightness	700cd/㎡			4500cd/㎡		
Pixel Density	262144 dots/㎡	112896 dots/㎡	65536 dots/㎡	147456 dots/㎡	112896 dots/㎡	65536 dots/㎡
Module Size(WxH)	250×250mm					
Panel Size	500×500×84mm/500×1000×84mm					
Panel Resolution	256×256/512 dots	168×168/336 dots	128×128/256 dots	192×192/384 dots	168×168/336 dots	128×128/256 dots
Panel Weight	7.2kg/13.2kg			7.5kg/13.5kg		
Ingress Protection	IP43			IP65		
Curve	–5°, –2.5°, 0°, +2.5°, +5°					
ViewingAngle(HV)	140°/120°					
ContrastRate	5000:1			3000:1		
Input Power/Panel(Max)	480w/㎡			560w/㎡		
Input Power/Panel(Ave)	280w/㎡			320w/㎡		
Refresh Rate	3840Hz					
Input Voltage	AC100–240V 50–60Hz					
Standard Mounting Configuration	Hanging/Stacking					

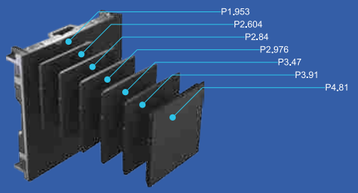
Creative Splicing

-5,-2.5,+2.5,+5 corner splicing available, easily reach curved splicing.



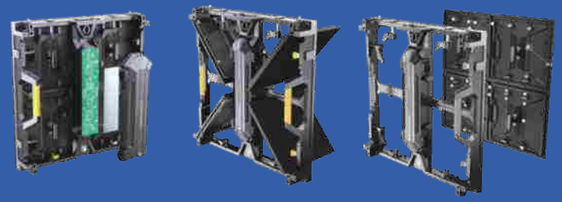
Technical Parameters of Pixel Pitch

This LED display has two panel sizes for option, with pixel pitches from 1.9mm to 4.8mm, which can meet any demands with various stage display.



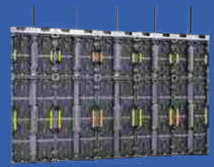
Front and Rear Maintenance

Modular design effectively improves the mainance efficiency, saves the maintenance time and cost.

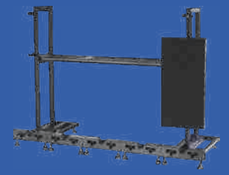


Installation Method

Fast locks design, reach fast assembly and disassembly.



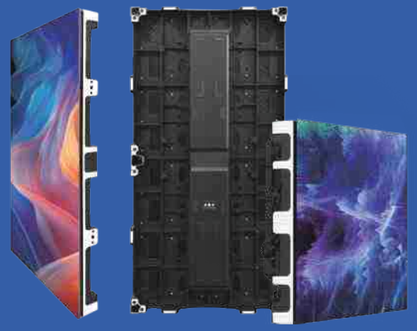
Hanging Installation



Floor-standing installation

Wide Application





Rental & Stage LED Display RD Series

Interactive LED Dance Floor Display

Interactive dance floor display, immersive touch experience for performances.

Front Service

Independent Power Box Fast Maintenance

3S

3 Seconds Fast Installation

Hz

3840Hz

Parameter

INDOOR					
Model	CHEER-RD1.5GOB	CHEER-RD1.83GOB	CHEER-RD1.95GOB	CHEER-RD2.5GOB	CHEER-RD2.6GOB
LED Configuration	SMD1212		SMD1515	SMD1415	
Physical Density	430336 dots/㎡	295936 dots/㎡	262144 dots/㎡	160000 dots/㎡	147456 dots/㎡
Cabinet Resolution	328x328 dots	272x272 dots	256x256 dots	200x200 dots	192x192 dots
Cabinet size	500x500x60mm				
Weight	11Kg				
Brightness	600~900CD/㎡		900~1500CD/㎡	900~1800CD/㎡	
Viewing Angle	160°/160°				
Max Power consumption	200W/Panel				
Ave Power consumption	100W/Panel				
Drive Mode	1/41S	1/34S	1/32S	1/25S	1/16S
Refresh Rate	1920~7680Hz		1920~3840Hz	1920~7680Hz	1920~7680Hz
IP Rating	IP54/IP45				

OUTDOOR					
Model	CHEER-RD2.97	CHEER-RD3.91	CHEER-RD4.81	CHEER-RD5.2	CHEER-RD6.25
LED Configuration	SMD1415	SMD1921	SMD1921	SMD1415	
Physical Density	112896 dots/㎡	65536 dots/㎡	43264 dots/㎡	36864 dots/㎡	25600dots/㎡
Cabinet Resolution	168x168 dots	128x128 dots	104x104 dots	96x96 dots	80x80 dots
Cabinet size	500x500x60mm				
Weight	11Kg				
Brightness	900~1800CD/㎡			900~3000CD/㎡	
Viewing Angle	160°/160°				
Max Power consumption	200W/Panel				
Ave Power consumption	100W/Panel				
Drive Mode	1/21S	1/16S	1/13S	1/12S	1/10S
Refresh Rate	1920~3840Hz	1920~7680Hz	1920~3840Hz		
IP Rating	IP54/IP45				

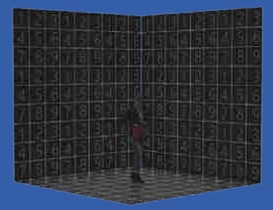
Strong Load-bearing

Professional customized high-strength die cast aluminum box with a load-bearing capacity of 2000kg/㎡, fearless of car crushing.



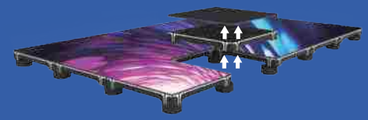
Interactive & Intelligent

Built in multi touch sensor; customizable interactive functions for immersive experience.



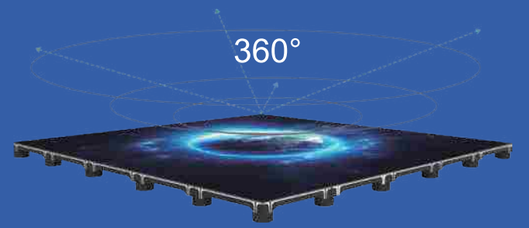
Fast Installation

The module adopts a magnetic pre maintenance design to achieve maintenance of the module, power supply, and receiving card, saving time and effort.



Full perspective

On site full perspective viewing ensures that every audience member can enjoy the ultimate visual experience.

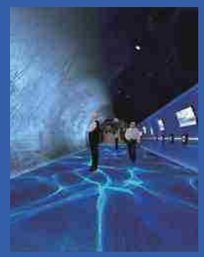


Flexible & Versatile Installation

Supports floor display, wall mounting, and rental hanging; seamless splicing, fast locks, easy installation.



Wide Application











Commercial LED display COB HD Smart

COB HD Smart LED Display

Premium COB display, ultra-high contrast delivers crystal clear visuals.

Moisture Resistant | 15000:1 | Anti Collision | Seamless Splicing | Low Failure Rate

Parameter

Model	CHEER-COB0.78	CHEER-COB0.9375	CHEER-COB1.25	CHEER-COB1.5625	CHEER-COB1.875
Pixel Configuration	Flip Chip COB				
Pixel Density	1638400 dots/㎡	1137778 dots/㎡	640000 dots/㎡	409600 dots/㎡	284444 dots/㎡
Cabinet Resolution	768×432 dots	640×360 dots	480×270 dots	384×216 dots	320×180 dots
Cabinet Material	Aluminum				
Module Size(mm)	300×168.75mm/150×168.75mm				
Cabinet Size(mm)	600×337.5×40mm(Optional 1200×675×40mm) Customizable ultra-thin				
Cabinet Weight	3.9kg(15.6kg)				
Maintenance Method	Front				
IP Rating	IP40 Front / IP20 Rear				
Brightness(nits)	600cd/㎡				
Color Temperature(K)	2000-10000 optional				
Visual Angle(H/V)	170°/ 170°				
Input Voltage	AC100~240V				
Gray Scale	14bit				
Refreshing Ratio	3840Hz				
Max power consumption	350w/㎡	380w/㎡	320w/㎡	350w/㎡	
Avg. power consumption	120w/㎡	130w/㎡	110w/㎡	120w/㎡	
Color Calibration	Pixel to Pixel				
Contrast Ratio	15000:1				

High Contrast Ratio

15000:1 high contrast ratio make the video wall bright colors and vavid.



Ordinary

COB HD Display

Low Brightness but High Gray Level

Even in low brightness but no gray lost ,details are clear and layered.



Ordinary

COB HD Display

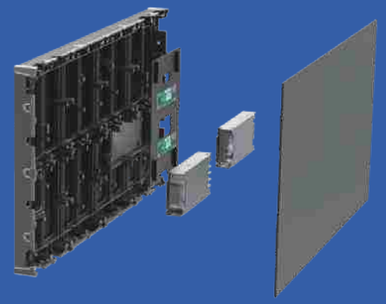
Installation of Large and Small Cabinet Splicing

Flexible splicing of large and small size cabinet, maximize meet the installation size requirement.



Redundancy Design

Dual receiving card and power supply options,provides 4 times safety video wall never black out.



Wide Application





Commercial LED Display AIO Series

All-In-One Integrated LED Display

Foldable all-in-one LED screen, plug-and-play for meetings and events.

Quick Assembly | High Contrast Ratio | Anti Collision | Seamless Splicing | Low Failure Rate

Parameter

Model	CHEER-AIO-178"
Pixel Pitch	1.5625mm
Encapsulation	GOB
Display resolution	2688×1080 dots
Display size	4200×1687.5mm
Screen size	4210×1807.5×25mm
Total weight	170KG (Screen) +190KG (bracket)
Color processing depth	14bit
Refresh rate	3840Hz
Contrast	6000:1
Brightness (nits)	100–600，8 levels adjustable
Horizontal/vertical viewing angles	160°/160°
Maximum (W)/average (W)	2300W/925W
Video interface	HDMI IN×4, HDMI OUT×1, USB×3, Type–C IN 4K×1
Audio interface and speakers	External audio output interfaceAudio OUT，Built–in 2×20W full–range audio
Control interface	RJ45×1，RS232×1，IR IN×1，Dual–WIFI，Bluetooth，Infrared remote control
Service life (H)	⩾100,000 Hour
Installation/maintenance method	Mobile base / Front maintenance
Authentication	3C、CE、ETL、FCC、CNAS （Ongoing）

All-in-One Integrated Design

Left and right double and three-fold, one machine for multiple purposes, new species of science and technology, unique.



Bigger Visual Impact

2688*1080 ultra-high-definition resolution, what you see is extraordinary, clear, and the screen is shocking.



Intelligent lifting, collision sensing

Supports adjusted freely, with built-in lifting collision sensing system, which will automatically stop when subjected to external force.



Easy to transport and ready to use right out of the box

The screen can be folded into the elevator, and it can be operated and used in 2 minutes out of the box.



Wide Application





Commercial LED Display PS Series

Poster Sign LED Display

Smart poster display, cloud control enables easy remote content management.

USB Flash Drive | 4G Remote/Wifi | Seamless Splicing | High Color Reproduction | Ambulatory

Parameter (GOB Technology is Recommended)

Model	CHEER-PS1.25	CHEER-PS1.5	CHEER-PS1.86	CHEER-PS2	CHEER-PS2.5
Pixel Density	640000dots/m^2	622500dots/m^2	288906dots/m^2	250000dots/m^2	160000dots/m^2
Module Resolution	256×128 dots	208×104 dots	172×86 dots	160×80 dots	128×64 dots
Module Size	320×160mm				
Driving Mode	1/64S	1/52S	1/43S	1/40S	1/32S
Cabinet Size	640×1920mm				
Cabinet Weight	50KG			40KG	
Brightness (cd/m^2)	600cd/m^2			700cd/m^2	800cd/m^2
Max Power Consumption	285W/m^2			439W/m^2	457W/m^2
Avg Power Consumption	108W/m^2			150W/m^2	153W/m^2
Gray Scale	14 bits				
Input Voltage	AC100–240V 50/60Hz				
Frame Rate	⩾60Hz				
Refresh Rate	⩾3840Hz				
Operating Temperature	–20~60°C				
Protection Rating	100000				
Lifespan (hours)	Front: IP54(GOB), Back: IP43				
Communication	USB, WiFi, 4G, APP, HDMI				

UHD & High-Refresh Visuals

Small pixel pitch with 3840Hz high refresh rate and 14–16bit grayscale for sharp, smooth, vivid, and professional display performance.



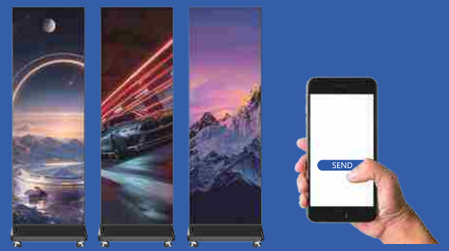
Supports Multi-Screen Cascading

Supports seamless cascading and synchronous playback of multiple units to form large-format video walls for flexible scene expansion.



Smart Control & Multi-Connection

Supports WiFi, RJ45, 4G, USB, HDMI, APP, and cloud control for remote content management and cross-platform operation.



High Protection & Versatile Installation

COB/GOB technology provides dustproof, moisture-proof, and anti-collision performance; supports standing, wall-mounted, hanging, and creative installation.



Wide Application





Commercial LED Display PS PRO

Tri-fold LED Poster Screen

Tough foldable poster screen, portable and ready for instant use anywhere.

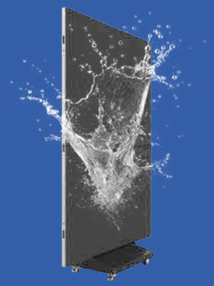
USB Flash Drive | 4G Remote/Wifi | Seamless Splicing | High Color Reproduction | Ambulatory

Parameter (GOB Technology is Recommended)

Model	CHEER-PS1.25	CHEER-PS1.538	CHEER-PS1.86	CHEER-PS2.5
Protective technology	GOB			
Single sided display resolution	1024×1536 dots	832×1248 dots	688×1032 dots	512×768 dots
Dual sided display resolution	512×1536 dots	416×1248 dots	344×1032 dots	256×768 dots
Appearance dimensions	1280×2070mm/640×2070mm			
Gross weight of the machine	78kg			
Brightness	750cd/㎡	700cd/㎡	650cd/㎡	600cd/㎡
Gray Scale	14–16Bit			14–16Bit
Viewing Angles	160°/160°			
Best Visual Distance	3–20M			
Refresh Rate	⩾3840Hz			
Max Power Consumption	1600w/㎡	1200w/㎡	900w/㎡	850w/㎡
Avg Power Consumption	565w/㎡	400w/㎡	300w/㎡	220w/㎡
Power supply requirements	100–240V			
Communication method	Drive/Ethernet Port/4G Remote			

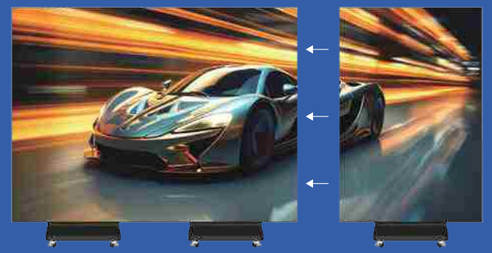
Adopting the "floor tile grade GOB process"

Surface splash proof, scratch proof, collision proof, moisture-proof, and better stability.



Support seamless splicing of multiple units

It can be used as a single device and also supports splicing of multiple devices into a large screen, with a wider range of application scenarios.



Universal Wheel Design

Comes with 4 swivel wheels, making it easier to move and place wherever you want.



No installation required, ready to use when powered on

Delivered as a finished product with no installation or debugging required. Plug and play for immediate use.

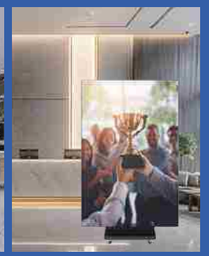


Wide Application











Indoor Fixed LED Display IF250 series

Indoor Fixed LED Display

Lightweight slim screen, creative splicing adapts to versatile layouts.

HD Ultra high definition

Light weight

Flexible assembly

Right angle Splicing

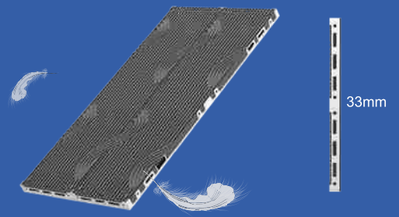
Hardwired

Parameter

Model	CHEER-IF1.25	CHEER-IF1.56	CHEER-IF1.95	CHEER-IF2.5	CHEER-IF2.604	CHEER-IF2.976	CHEER-IF3.91
Pixel Pitch	P1.25	P1.56	P1.95	P2.5	P2.604	P2.976	P3.91
SMD1010(GOB)	SMD1010(GOB)	SMD1212(GOB)	SMD1515(GOB)	SMD1515			SMD2020
Brightness	600cd/㎡		800cd/㎡				
Pixel Density	640000 dots/㎡	409600 dots/㎡	262144 dots/㎡	160000 dots/㎡	147456 dots/㎡	112896 dots/㎡	65536 dots/㎡
Module Size(WxH)	250×250mm						
Panel Size	1000×500×33mm/1000×250×33mm/750×250×33mm/500×250×33mm						
Panel Resolution	800×400 dots 800×200 dots 600×200 dots 400×200 dots	640×320 dots 640×160 dots 480×160 dots 320×160 dots	512×256 dots 512×128 dots 384×128 dots 256×128 dots	400×200 dots 400×100 dots 300×100 dots 200×100 dots	384×192 dots 384×96 dots 288×96 dots 192×96 dots	336×168 dots 336×84 dots 252×84 dots 168×84 dots	256×128 dots 256×64 dots 192×64 dots 128×64 dots
Maintenance	Front access						
Drive Mode	1/50S	1/40S	1/32S	1/25S	1/32S	1/28S	1/16S
ViewingAngle(HV)	160°/160°						
Input Power/Panel(Max)	350w/㎡						
Input Power/Panel(Ave)	100–200w/㎡						
Refresh Rate	3840Hz						
Ingress Protection	IP31						
Input Voltage	AC100–240V 50–60Hz						

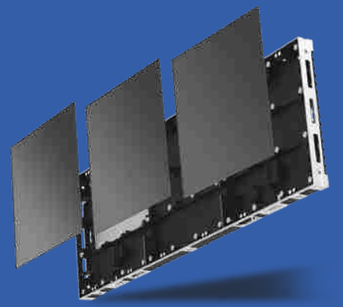
Cabinet weight

Die cast aluminum integrated box body, high precision, with a total thickness of only 33mm, The weights of the four types of boxes, 1000×500mm/1000×250mm/750×250mm/500×250mm, are as follows:9.8kg/5kg/4kg/3kg



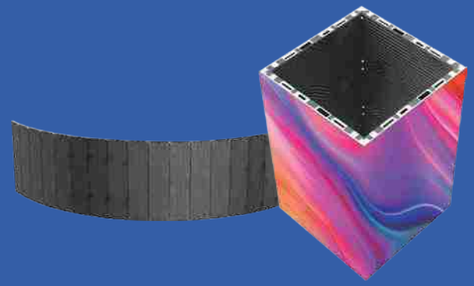
Front maintenance

Support pre installation and maintenance, with zero space constraints



Creative splicing, infinite imagination

Supports shapes such as right angles and columns to meet various creative splicing needs.



Installation method

Support multiple installation methods such as lifting, wall mounted installation, and column shaped installation, suitable for more scenarios.



Hanging

Wall mounting

Variety of shapes

Wide Application





Indoor Fixed LED Display IF600 Series

Ultra HD Fine Pixel Pitch LED Display

Slim ultra-fine pitch display, vivid natural colors for modern interiors.

Ultra high definition | Light weight | Flexible assembly | Right angle Splicing | Creative Splicing

Parameter

Model	CHEER-IF1.25	CHEER-IF1.5625	CHEER-IF1.875	CHEER-IF2.5
LED Type	SMD1010	SMD1010/1212	SMD1010/1515	SMD1515
Module Resolution	240×135 dots	192×108 dots	160×90 dots	60×135 dots
Module size	300×168.75mm			150×337.5mm
Panel Dimension	600×337.5×27.5mm			
Panel Resolution	480×270 dots	384×216 dots	320×180 dots	240×135 dots
Panel weight	4.5kg			
Brightness	≥600cd/㎡			
Viewing Angles	170°/170°			
Drive mode	1/45s	1/48s	1/45s	1/30s
Grey level	16bit			
Max Power Consumption	350w/㎡			
Avg Power Consumption	100w/㎡			
Refresh rate	3840Hz			
Power input	AC90–264V,47–63Hz			

Wide color gamut

Professional color management techniques, rich color layers and more natural color transitions.



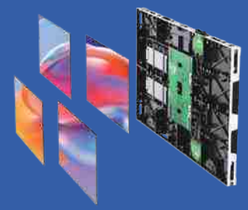
No HDR



HDR

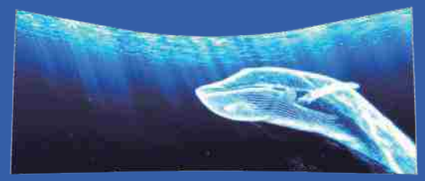
Front maintenance

Can be applied to different installation environments`



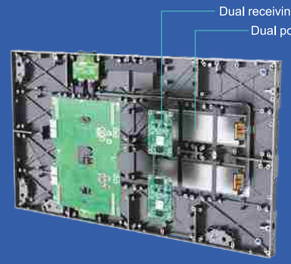
Curve-shape

Supporting inner and outer arc splicing, creating various curved shapes



Dual card dual electric

Configurable dual backup version to ensure uninterrupted power supply; Signal not lost, more stable and reliable.



Creative splicing

Supports shapes such as right angles and arcs to meet various creative splicing needs.



Installation method

Support multiple installation methods such as lifting, wall mounted installation, and embedded installation, suitable for more scenarios.



Wall Mounted Installation

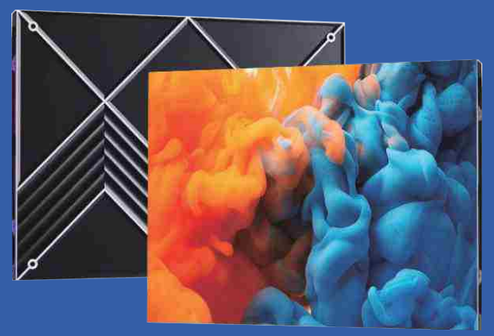


lifting

Wide Application







Indoor Fixed LED Display IF640 Series

Indoor Fixed LED Display

Ultra HD indoor screen, seamless flat visuals for premium commercial spaces.

Easy Installation | High Refresh Rate | Ultra HD | Hub Connection | Front Service

Parameter

Model	CHEER-IF1.25	CHEER-IF1.53	CHEER-IF1.86	CHEER-IF2.5	CHEER-IF3.076
Pixel Pitch	1.25mm	1.53mm	1.86mm	2.5mm	3.076mm
Cabinet Resolution	512×384 dots	418×314 dots	344×258 dots	256×192 dots	208×156 dots
Pixel Density	640,000 dots/㎡	428,613 dots/㎡	288,906 dots/㎡	160,000 dots/㎡	105,625 dots/㎡
Pixel Configuration	SMD1010	SMD1212	SMD1515		SMD2020
Cabinet Size	640×480×48mm				
Brightness	600–800cd/㎡				
Gray Scale	14~16Bit				
IP Level	IP43				
Drive Mode	1/64S	1/52S	1/43S	1/32S	1/26S
Refresh Rate	⩾3840Hz				
Max Power Consumption	500w/㎡				
Avg Power Consumption	165–260w/㎡				
Cabinet Weight	7.5kg				
Input Power	AC 110–240V 50/60Hz				

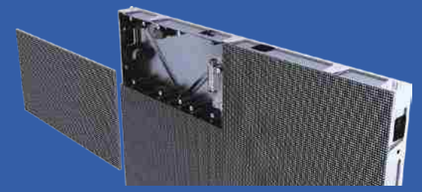
This cabinet is available in multiple sizes

640×640mm / 640×480mm / 640×320mm / 320×480mm/320*640 mm
All sizes are fully compatible and can be freely combined to seamlessly create a large video screen.



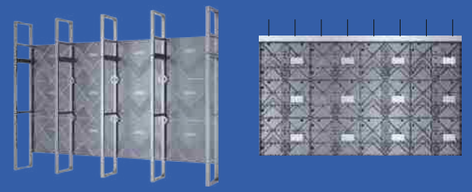
Front Service

All components, including power supply and cards, are accessible from the front, simplifying maintenance and reducing downtime;
Specifically designed for indoor environments, ensuring vibrant visuals and high performance.



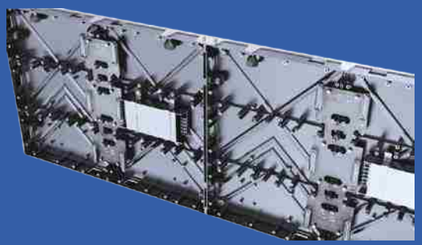
Hanging & Bracket Installation

IF640 supports both hanging and bracket mounting, enabling suspended or temporary setups for flexible, convenient installation across diverse spaces.



Quick Assembly

IF640 features fast-lock design and cable-less setup, PIN to PIN HUB connection enabling quick assembly.



Wide Application





DOOH LED Display FP250 Series

Outdoor Fixed LED Display Energy Saving-Ultra

Bright energy-saving outdoor display, eye-catching ads day and night.

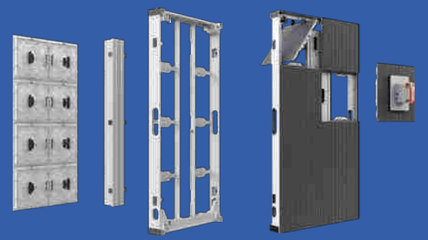
Max 10,000 Nits | Max 3840Hz | Energy Saving | Front&Rear Service | Good Fire Retardency

Parameter

Model	CHEER-FP1.3	CHEER-FP1.95	CHEER-FP2.6	CHEER-FP2.97	CHEER-FP3.91	CHEER-FP4.81
SMD Type	1010	1415				1921
Module Resolution	192×192 dots	128×128 dots	96×96 dots	84×84 dots	64×64 dots	52×52 dots
Cabinet Resolution	384×768 dots	256×512 dots	192×384 dots	168×336 dots	128×256 dots	104×208 dots
Cabinet Material	Profile Cabinet					
Module Size(mm)	250×250mm					
Cabinet Size(mm)	500×1000×84mm					
Cabinet Weight	16kg					
Maintenance Method	Front & Rear					
IP Rating	IP66					
Brightness(nits)	≥4000	≥5000				
Color Temperature(K)	6500–9000 optional					
Visual Angle(H/V)	140°/ 120°					
Input Voltage	AC100~240V					
IC Driving(s)	1/48	1/32	1/24	1/21	1/8	1/7
Refreshing Ratio	3840/7680Hz					
Max power consumption	≤500w/㎡				≤650w/㎡	
Avg. power consumption	≤168w/㎡				≤218w/㎡	

Convenient Front-Rear Service

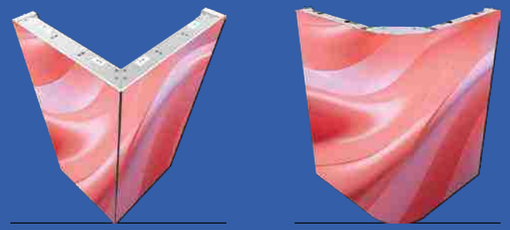
It supports front-rear service. Module adopts fast lock to have more convenient installation and dismantlement.



Modular Design | Front/Rear Service

Creative Installation

Support 90° right-angle or curved splicing.

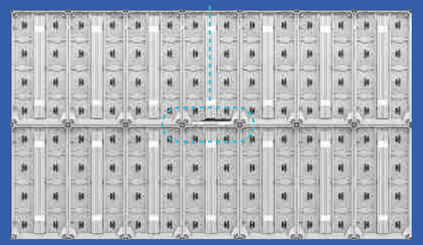


90° right angle | 90° curved

Concealed & Waterproof Cable signal, offering

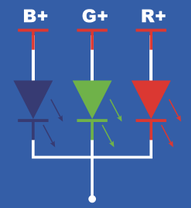
The FP series features hidden power and signaloffering a neater appearance, improved waterproof with aviation connectors and built-in tail caps, roofing, and faster installation.

Open Hidden Cables Box



CCTVS CAT

Compared to other DIP products, our product saves energy by 30%, leading to lower operational costs and higher ROL.





30% Reduce

Wide Application





DOOH LED Display FC960 Series

Outdoor Fixed LED Display Energy Saving- Pro

Hidden-cable outdoor screen, sleek clean look for modern branding.

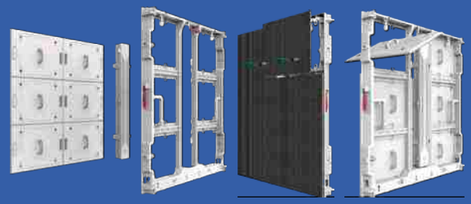
Common Cathode Energy Saving | Slim and Lightweight Design | Front and Rear Maintenance | 10000nits brightness | IP66

Parameter

Model	CHEER-FC4.44	CHEER-FC5.7	CHEER-FC6.67	CHEER-FC8	CHEER-FC10
SMD Type	1921	2727			
Module Resolution	108×72 dots	84×56 dots	72×48 dots	60×40 dots	48×32 dots
Cabinet Resolution	216×216 dots	138×168 dots	144×144 dots	120×120 dots	96×96 dots
Cabinet Material	Die-casting Cabinet				
Module Size(mm)	480×320mm				
Cabinet Size(mm)	960×960×85mm	960×960×86mm	960×960×87mm	960×960×88mm	
Cabinet Weight	25kg				
Maintenance Method	Front & Rear				
IP Rating	IP66				
Brightness(nits)	≥5500	≥7000			
Color Temperature(K)	6500-9000 optional				
Visual Angle(H/V)	140°/ 120°				
Input Voltage	AC100~240V				
IC Driving(s)	1/9	1/7	1/6	1/3	1/2
Refreshing Ratio	3840/7680Hz				
Max power consumption	≤550w/㎡				
Avg. power consumption	≤186w/㎡				

Convenient Front-Rear Service

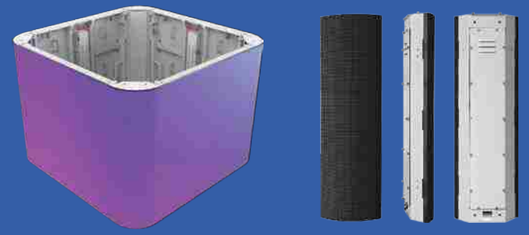
It supports front-rear service. Module adopts fast lock to have more convenient installation and dismantlement.



Modular Design | Front/Rear Service

Creative Installation

Support 90° curved splicing.

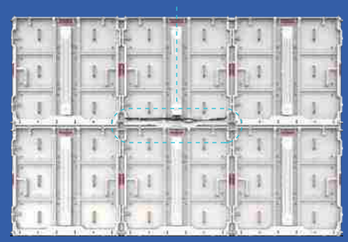


90° curved | Curved Cabinet

Concealed & Waterproof Cable signal, offering

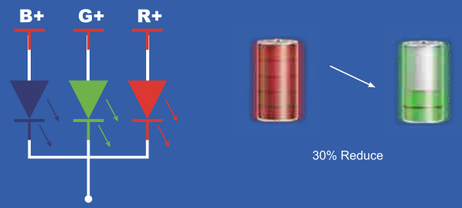
The FC series features hidden power and signaloffering a neater appearance, improved waterproof with aviation connectors and built-in tail caps, roofing, and faster installation.

Open Hidden Cables Box



CCTVS CAT

Compared to other DIP products, our product saves energy by 30%, leading to lower operational costs and higher ROL.



Wide Application





DOOH LED Display FM Series

Die-casting magnesium cabinet

High-bright outdoor screen, wide viewing angle for public venues and ads.

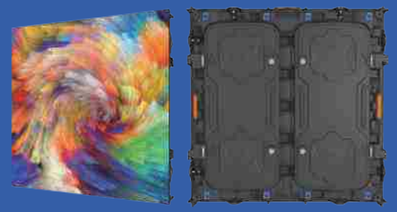
High Brightness | Max 3840Hz | Super Wide View | Good Fire Retardency

Parameter

Model	CHEER-FM2.5	CHEER-FM3.33	CHEER-FM4	CHEER-FM5	CHEER-FM5.9	CHEER-FM6.67	CHEER-FM8	CHEER-FM10
Pixel pitch	2.5mm	3.33mm	4mm	5mm	5.923mm	6.67mm	8mm	10mm
Module resolution	128×64 dots	96×48 dots	80×40 dots	64×32 dots	54×27 dots	48×24 dots	40×20 dots	32×16 dots
Physical resolution	160000dots/㎡	90000dots/㎡	62500dots/㎡	40000dots/㎡	28504dots/㎡	22477dots/㎡	15625dots/㎡	10000dots/㎡
SMD	SMD1415	SMD1921			SMD2727		SMD3535	
Drive mode	1/16S	1/12S	1/10S	1/8S	1/10S	1/6S	1/5S	1/2S
Cabinet size	960×960mm							
Cabinet resolution	384×384 dots	288×288 dots	240×240 dots	192×192 dots	162×162 dots	144×144 dots	120×120 dots	96×96 dots
White balance brightness	5800cd/㎡	6000cd/㎡	5800cd/㎡	5700cd/㎡	5500cd/㎡	5800cd/㎡	5500cd/㎡	6800cd/㎡
Viewing angle	160°/160°							
Gray level	13–16bit							
Refresh rate	1920Hz/3840Hz							
Power consuption (Max)	900W/㎡		800W/㎡				700W/㎡	800W/㎡
Power consumption (Ave)	280W/㎡		250W/㎡				200W/㎡	250W/㎡
Input voltage	AC90－240V							
Cabinet weight	28kg							
Waterproof level	IP65/IP54							

High Brightness & Strong Visibility

Delivers high brightness and contrast for clear outdoor viewing even in strong daylight.



IP65 Outdoor Durability

IP65 rated protection against dust and water, ensuring stable performance in harsh outdoor environments.



Ultra wide viewing angle

With a super-wide viewing angle of 160 degrees, the images are lively and vivid, with no dead corners, right before your eyes.



Stadium Ready Perimeter Display

Engineered for football stadium perimeter use, delivering wide viewing angles, high brightness, and vibrant visuals to ensure clear, immersive display for all spectators.



Wide Application





DOOH LED Display
FS Series

Outdoor Fixed LED Display -Steel cabinet

Cost-effective outdoor display, reliable all-weather performance outdoors.

Waterproof | High Refresh Rate | Ultra HD | Good Fire Retardency | Front Service

Parameter

Model	CHEER-FS3.57	CHEER-FS3.84	CHEER-FS4	CHEER-FS5	CHEER-FS6.67	CHEER-FS8	CHEER-FS10
Pixel Pitch	3.57mm	3.84mm	4mm	5mm	6.67mm	8mm	10mm
Pixel Density	78400 dots/㎡	67600 dots/㎡	62500 dots/㎡	40000 dots/㎡	22500 dots/㎡	15625 dots/㎡	10000 dots/㎡
Module Resolution	56×56 dots	52×52 dots	80×40 dots	64×32 dots	48×48 dots	40×40 dots	32×32 dots
Module Size	200×200mm		320×160mm		320×320mm		
Cabinet Size	1000×1000mm		960×960mm				
Brightness	5500cd/㎡						
Gray Scale	⩾14Bit						
Viewing Angle	140°/140°		120°/120°				
Scanning Method	1/14s	1/13s	1/10s	1/8s	1/6s	1/5s	1/2s
Protection Grade	IP65/54						
Refresh Rate	⩾1920Hz						
Viewing Distance	⩾4m			⩾5m	⩾7m	⩾8m	⩾10m
Max Power Consumption	1000W/㎡	900W/㎡	1100W/㎡	850W/㎡	750W/㎡	600W/㎡	1000W/㎡
Average Power	300W/㎡	300W/㎡	360W/㎡	285W/㎡	250W/㎡	200W/㎡	330W/㎡

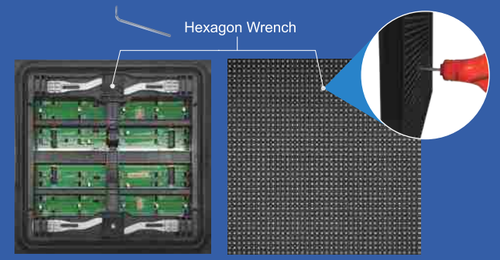
High Protection

Adopting an independent waterproof module and excellent sealing box, with an erosion resistant mask design.



Front and rear dual maintenance

Dual maintenance can be easily achieved using a hexagonal wrench.



High Brightness Display

The key to a quality outdoor advertising LED screen billboard is variable brightness for any condition day or night. Traditional outdoor advertising LED screens has brightness offerings between 6500-7500 Nit.



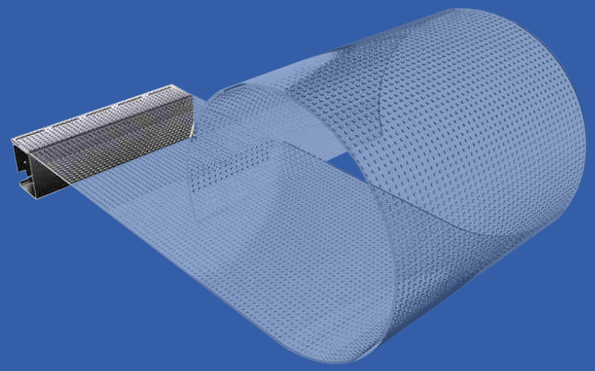
Stable, Reliable Connections

Traditional outdoor advertising LED display billboard utilizes data and power connections that are 100% water tight allowing for stable and reliable connections between each outdoor LED display cabinet.



Wide Application





Transparent LED Display TF Series

Transparent Film LED Display

Ultra-thin crystal film screen, nearly invisible on glass storefronts.

Max 90% Transparency | Invisible Border | Easy Installation | Anti-Fall And Anti-Collision | Flexible Bendable

Parameter

Model	CHEER-TF5	CHEER-TF6.25	CHEER-TF8	CHEER-TF10	CHEER-TF15	CHEER-TF20
Module size	320×1000mm	400×1000mm			390×990mm	1000×400mm
LED light	1313	1313/2121			2121	
Module pixel	200×64=8704 dots	160×64=10240 dots	125×50=6250 dots	100×40=4000 dots	66×26=4000 dots	66×26=4000 dots
Pixel/㎡	40000	25600	15625	10000	4356	4356
Brightness	2500CD/㎡	2000/4000CD/㎡				
Permeability	90%	92%		94%		95%
Angle of view	160°/160°					
Peak power	600w/㎡					
Average power	200w/㎡					
Weight	2kg					
Thickness	2mm					
Refresh rate	3840Hz					
Grayscale level	16bit					
Typical value of life	100000H					

Mini LED and Breakpoint continuation

The combination of light and drive, independent research and development, high reliability, industry leading

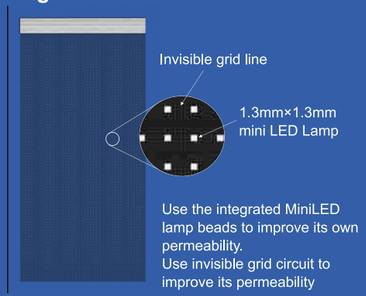


Easy installation

No steel structure is required, just stick the thin screen slightly and connect the power signal.



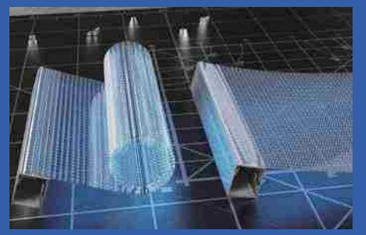
High Transmittance



Use the integrated MiniLED lamp beads to improve its own permeability.
Use invisible grid circuit to improve its permeability

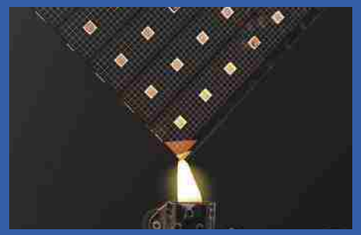
Flexibility

Applies to any surface
Fig. 1 Real shot of module curled into a circle
Surface case



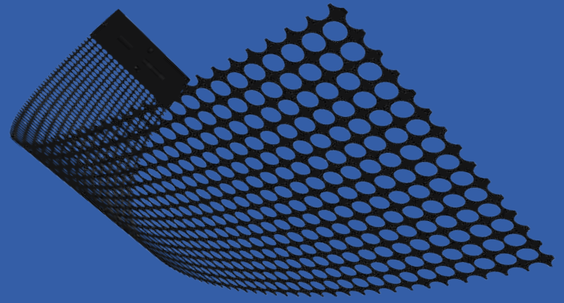
Flame retardant and UV resistant

Grade V1 flame retardant
Uv resistance without yellowing >8 years



Wide Application





Transparent LED Display HT Series

Holographic Transparent LED Display

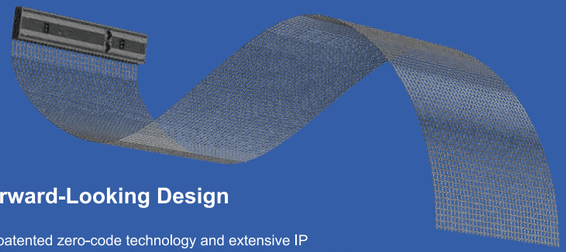
Light holographic transparent screen, blends seamlessly into glass surfaces.

Max 90% Transparency | High Contrast Ratio | 3D Effect | Anti-Fall And Anti-Collision | Flexible Bendable

Parameter

Model	CHEER-HT2.5	CHEER-HT3.5	CHEER-HT3.91	CHEER-HT5
Single module size	1500×160mm	1500×224mm	1500×250mm	
Physical Density	160000 dots/㎡	81225 dots/㎡	65536 dots/㎡	40000 dots/㎡
Visual transparency	70%	80%	85%	88%
Module weight	2kg/㎡			
Viewing angle	160°/160°			
Module thickness	0.8mm			
Refresh rate	⩾3840Hz			
Max Power consumption	⩽800W/㎡			
Ave Power consumption	⩽300W/㎡	⩽240W/㎡		
Brightness	⩽5000cd/㎡			
Service life	100000hours			
Protection level	IP43			

Model	CHEER-HI6.25	CHEER-HI7.8	CHEER-HI10	CHEER-HI15.625	CHEER-HI20
Single module size	1500×250mm				1500×240mm
Physical Density	25600 dots/㎡	15625 dots/㎡	10000 dots/㎡	4096 dots/㎡	40000 dots/㎡
Visual transparency	90%	95%	85%	95%	98%
Module weight	2kg/㎡				
Viewing angle	160°/160°				
Module thickness	0.8mm				
Refresh rate	⩾3840Hz				
Max Power consumption	⩽800W/㎡			⩽600W/㎡	⩽400W/㎡
Ave Power consumption	⩽240W/㎡			⩽200W/㎡	⩽120W/㎡
Brightness	⩽5000cd/㎡				
Service life	100000hours				
Protection level	IP43				



Forward-Looking Design

Ourpatented zero-code technology and extensive IP portfolio set a new global standard for invisible screen displays.

Unparalleled Transparency

With up to 90% transparency, the Holographic Invisible Screen seamlessly integrates into any environment.

Versatile Installation

Easily installed without a back frame and can be cut or bent to fit any space.

High Brightness



Lightweight(2kg/m²)

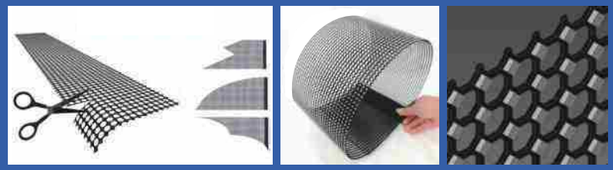
Easily installed without a back frame and can be cut or bent to fit any space.

Thin 0.8mm

Seamlessly integrates with glass and other surfaces.

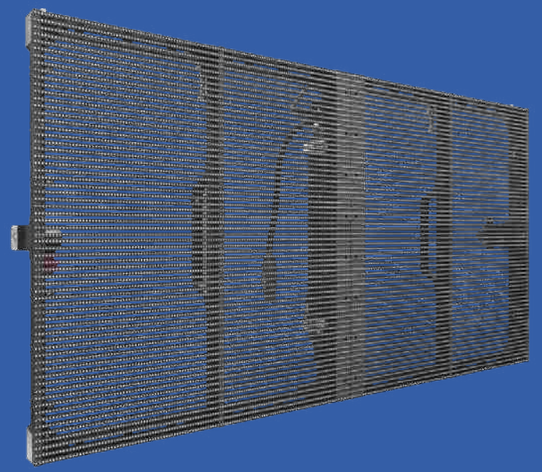
Supports cutting and strong flexibility

Can be cut to any size required
Can be attached to any curvature of glass wall.



Wide Application





Transparent LED Display OM Series

Outdoor Mesh LED Display

Wind-resistant outdoor mesh display, clear see-through for building facades.

Light | IP65 | Freely Assembly | Energy | All-weather

Parameter

Model	CHEER-OM3.9x7.8	CHEER-OM5.2x10.4	CHEER-OM10.4x10.4	CHEER-OM15.6x15.6
Pixel Pitch	H:3.9mm; V:7.8mm	H:5.2mm; V:10.4mm	H:10.4mm; V:10.4mm	H:15.6mm; V:15.6mm
Transparency	53%	65%		80%
Pixel Density	32768 dots/sq.m	18432 dots/sq.m	9216 dots/sq.m	4096 dots/sq.m
Scanning method	1/8	1/4	1/2	Static
Refresh Rate	5120–7000Hz	3840Hz		5120–7000Hz
Brightness	⩾4500CD			
LED Specification	SMD1921		SMD2727	
Maximum viewing angle	140°/140°			
LED lamp life	⩾100,000 hours			
Maintenance	Front / Rear			
Protection grade	IP65			
Cabinet size	1000×500×80mm			
Weight	15kg/m²			
Input Power(Max/Ave)	800/240w/m²			
Input voltage	AC100~240V 50/60Hz			

Good light transmittance

Less wind resistance and safer





IP65 waterproof, no fear of weather changes

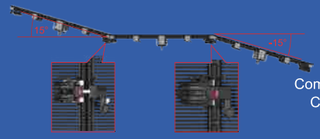
High and low temperature resistance



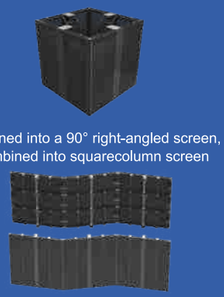


15° angle-cut arc lock cabinet combination method

The lock can be adjusted according to the scale achieve -15° internal/external arc of adjacent cabinets.



Cabinet with curved locking angle of 15° ,can be customized according to needs combined to form a curved screen with a wider viewing angle



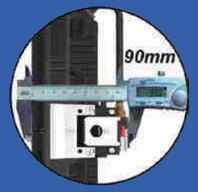
Combined into a 90° right-angled screen, Combined into squarecolumn screen

CNC precision machining cabinet

Super slim cabinet







Wide Application











Creative LED Display FL Series

Flexible LED Display

Flexible LED screen, bends freely for creative curved and irregular designs.

8 Times Technical Upgrade

8 Years' Market Experience

Super Wide View

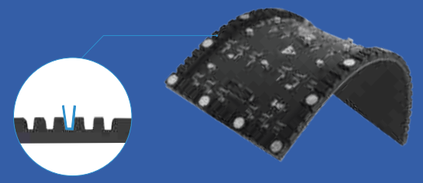
Max 120° Bending 10000+ Times Folding Test

Parameter

Type	Indoor					Outdoor	
Model	CHEER-FL1.25	CHEER-FL1.56	CHEER-FL1.875	CHEER-FL2	CHEER-FL2.5	CHEER-FL2.5	CHEER-FL4
Module Size	240×120	250×100	240×120			320×160	256×128
Module Resolution	192×96 dots	160×64 dots	128×64 dots	120×60 dots	96×48 dots	128×64 dots	64×32 dots
Scan Mode	48	32			24	16	
Refresh Rate	3840HZ						
Brightness	≥700cd/㎡					5000cd/㎡	≥4500cd/㎡
Viewing Angle	120°/120°						
Gray scale	≥14Bit						
Power Consumption	17.5W/Pcs						
Usage	Indoor					Outdoor	
Brightness Control	0–255						
Operator Voltage	AC100–220V/50/60HZ						
Working Temperature	–20℃~60℃						
Working Humidity	10–90%RH						
Lifetime	100,000Hours						

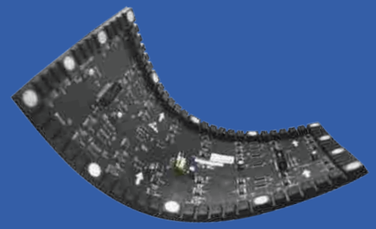
Easy to Bend for Convenient Use

A soft led module is less than 2cm thick and is pliable up to 120°. It passed 10,000 folding tests and easily fits all curved surfaces.



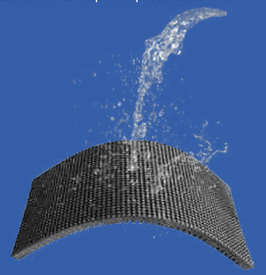
Reliable High-quality Product

Composed of layers of quality raw materials, the flexible led module uses highly fireproof PCBs and soft bottom housing, thoroughly ensuring its reliability.



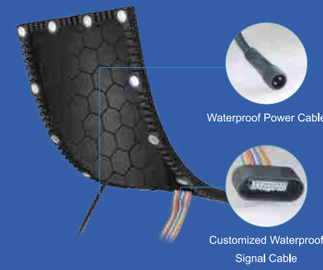
High Protection for outdoor design

Both the front and back sides are filled with waterproof adhesive to improve protection.



Wire Rod for outdoor design

Equipped with waterproof signal cable and waterproof power plug.



Customized Shape

Concave & convex options, minimum diameter 459mm (6 pieces of 240×120 modules per circle)



Wide Application





Creative LED Display SF series

Indoor & Outdoor Spherical LED Display

360° spherical display, immersive visuals for landmark installations.

Super Wide View | Good Fire Retardency | Customization | 3840Hz | Seamless Splicing

Parameter

Model	CHEER-SF1.5	CHEER-SF1.8	CHEER-SF2.0	CHEER-SF2.5	CHEER-SF3	CHEER-SF4
Pixel Pitch	1.5mm	1.8mm	2.0mm	2.5mm	3mm	4mm
Pixel Density	428000 dots/sq.m	290000 dots/sq.m	250000 dots/sq.m	160000 dots/sq.m	111111 dots/sq.m	62500 dots/sq.m
Spherical Diameter/Weight	0.5m/30kg	1m/90kg	1.2m/120kg	1.5mm/220kg	1.8m/300kg	2m/360kg	2.5m/360kg	3m/360kg
Scanning method	1/58	1/52	1/48		1/32	
Grayscale level	16bit					
View Distance	1.5m	1.8m	2m	2.5m	3m	4m
Maximum viewing angle	360°					
Brightness	600CD		700CD		900CD	
Refresh Rate	3840Hz					
IP Rating (front/back)	IP54 (IP65 can be customized)					
Input Voltage	AC100–240V 50–60Hz					
Lifetime	100,000Hours					
Working Temperature	–20℃~60℃					
Working Humidity	10–90%RH					
Maintenance	Front					

Seamless Splicing

Using trapezoidal circuit design, it can achieve seamless splicing;



supports uniform sampling technology to ensure that the display image is not distorted.

Good heat dissipation

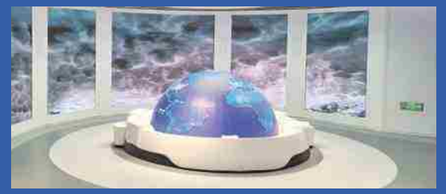
Adopts an aluminum structure heat dissipation solution.





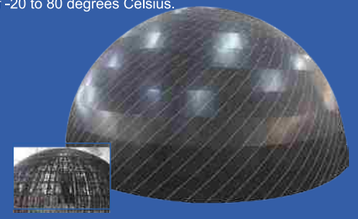
Silicone gel encapsulation for pixel front waterproofing (outdoor only)

Ensures that outdoor display projects have sufficient brightness, the color of the silicone gel can be customized according to project requirements, and matching with the building's exterior colors.



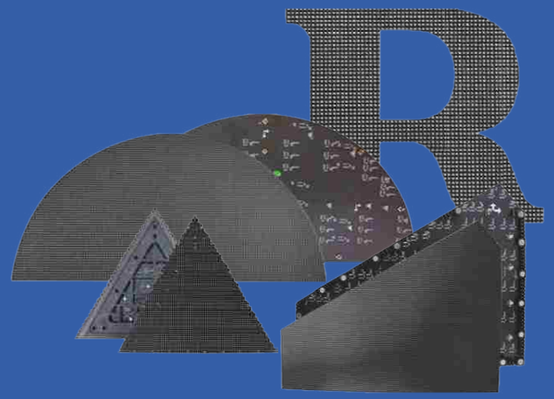
Fully sealed waterproof structure with protection level up to IP67 (outdoor only):

Uses high and low-temperature resistant silicone wires, with professional waterproof connectors, and can work within a temperature range of -20 to 80 degrees Celsius.



Wide Application





Creative LED Display CZ Series

Customized LED Display

Fully customizable shapes, unique standout displays for any special space.

- 3840Hz
- Energy Saving
- Front&Rear Service
- Good Fire Retardency

Parameters customized according to the project



Parameters

Pixel Pitch	4mm
Gray Scale	≥12Bit
Pixel Density	62500 dots/㎡



Parameters

Pixel Pitch	2.5mm
Gray Scale	≥12Bit
Pixel Density	160000 dots/㎡

1:1 inquiry

There are always some very important and special occasions that need to be the focus of attention. For creative screens, rich styling and unique design are essential.





Pixel Pitch	4mm
Gray Scale	≥12Bit
Pixel Density	62500 dots/㎡





Pixel Pitch	1.8mm
Gray Scale	≥12Bit
Pixel Density	308641 dots/㎡

Creative Trumpet LED Display

The trumpet led screen is composed of conventional flexible led modules and sector flexible led modules. Height can be customized.



Creative Triangle LED Display

LED display with triangle led module design, any size can be customized according to the clients requests.



LED Donut/Circle LED Screen

The circle led display consists of fan shape led modules. Fan shape led module is the combine of the led display and the art aesthetic. Circle led screen can be customized. Beautiful appearance good presentation effect.



Wide Application





Vehicle Mounted LED Display DB series

Food Delivery Box LED Display

Rugged delivery-box display, durable mobile advertising on the move.

Sturdy Durable | Color Customization | High Protection | Positioning Trajectory

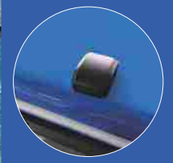
Parameter

Model	CHEER-DB2.6	CHEER-DB3-A	CHEER-DB4
Pixel Pitch	2.6mm	3mm	4mm
Display Size	336×384mm		320×384mm
Module Resolution	128×160 dots ×3 sides	112×128 dots ×3 sides	80×96 dots ×3
Cabinet size	500×500×500mm		
Refresh Rate	3840Hz		
Brightness	5000cd/m²		
Grey Scale	14 bits		
Maximum viewing angle	120°/120°		
Average Power consumption	60~75/m²		
LED Type	SMD 1921		
Protection grade	IP65		
Weight	16kg (3 Sides)		
Input voltage	DC 9–36V		

GPS fixed-point playback

Change ADs by location,such as show KFC video when taxi led sign arrive KFC shop.





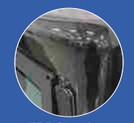
GPS

Less weight design

With total weight about 15kg per unit, durable enough for outdoor use.



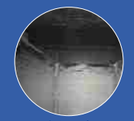
Appearance structure



FRP fiberglass box body



Anti theft firmware



internal structure

Customized control system
Customized car power supply

Two styles to choose from

Backpack Led Screen



Standard Version



Wide Application





Vehicle Mounted LED Display TT series

Taxi Roof LED Display

Bright taxi roof screen, GPS-powered targeted ads in real time.

High Brightness

LOGO Customization

IP65 High Protection

Positioning Trajectory

Parameter

Model	CHEER-TT2	CHEER-TT2.5	CHEER-TT3	CHEER-TT4	CHEER-TT5
Pixel Pitch	2mm	2.5mm	3.076mm	4mm	5mm
Display Size	960×320mm				
Module Resolution	480×160 dots	384×128 dots	312×104 dots	240×80 dots	192×64 dots
Cabinet size	1046×400×139mm				
Refresh Rate	3840Hz				
Brightness	4000~4500CD/m²				
Grey Scale	14 bits				
Maximum viewing angle	120°/120°				
Average Power consumption	126~144w/m²				
LED Type	SMD 1415			SMD 1921	
Protection grade	IP65				
Weight	17kg				
Input voltage	DC 9–36V				

Full Aluminum Structure with Excellent Heat Dissipation

Durable aluminum housing ensures efficient cooling and stable performance.



Patented Streamlined Design

Modern aerodynamic design with flexible installation options.



Appearance structure



UV-Resistant PC Housing

High-strength PC cover with excellent UV resistance and durability.



Wide Application





Vehicle Mounted LED Display CW Series

Car Window LED Display



Slim car window display, transparent non-intrusive visuals for vehicles.

High Brightness

High Protection

Positioning Trajectory

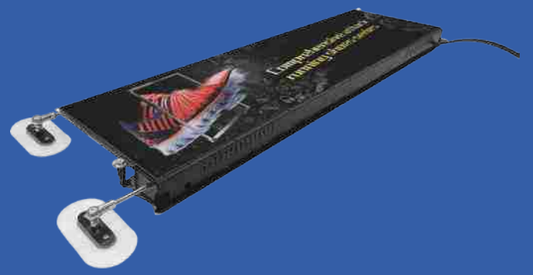
Easy Installation

Parameter

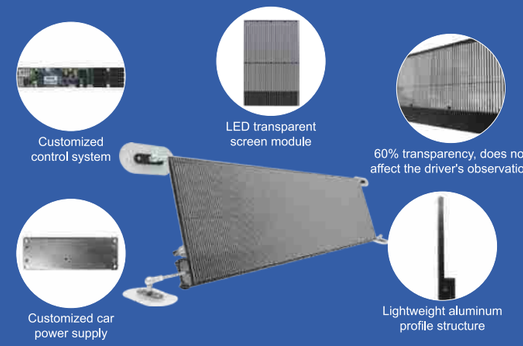
Model	CHEER-CW756-250	CHEER-CW882-250
Pixel Pitch	X5.2/Y2.6	
Pixel Density	160000/m^2	
Module Size	126×250mm	
Module Resolution	24×96 dots	
Refresh Rate	⩾3840Hz	
Brightness	4500~5000CD	
Unit Size	766×264mm	892×264mm
Display Size	756×250mm	882×250mm
Display Resolution	144×96 dots	168×96 dots
Unit Weight	2.8kg	3.5kg
Max Power Consumption	105~120W/m^2	
Average Power consumption	32~40W/m^2	
Viewing Angle	120°/120°	
Input Voltage	DC9~36V	
IP Level	IP 30	

Lightweight Aluminum Structure

Slim aluminum frame with excellent heat dissipation for stable operation and easy installation.

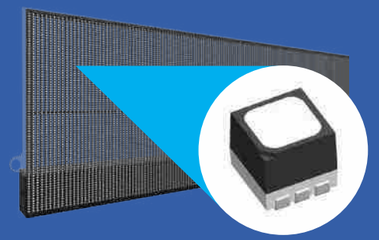


Appearance structure



High Brightness Outdoor LEDs

Brightness up to 5000 nits for clear visibility even under strong sunlight.



High Transparency Design

Up to 60% transparency without affecting rear-view visibility.



Wide Application

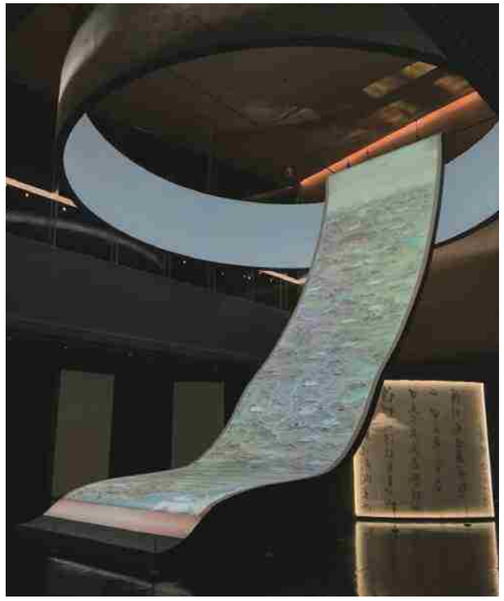


Exciting Cases















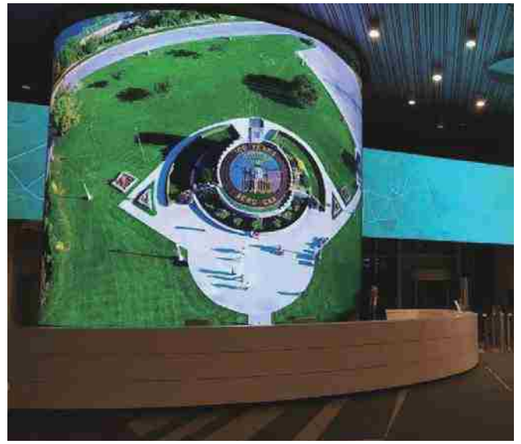

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钟罩面釉
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MARTELL




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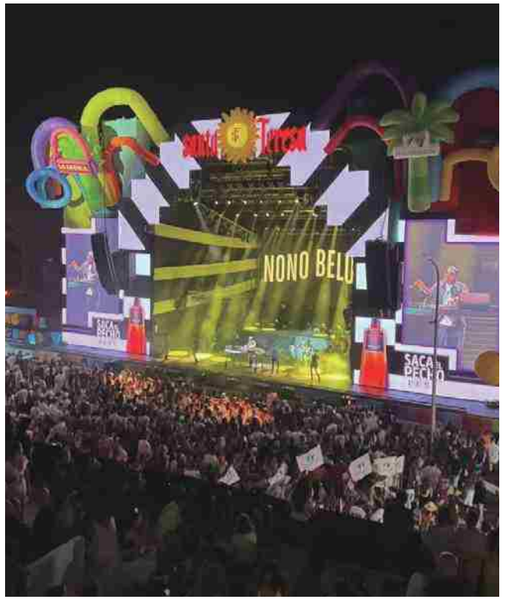

大展一手
青春烤官
青葱烤肉


COME ALL YOU WEARY
COME ALL YOU THIRSTY
COME TO THE WELL THAT NEVER RUNS DRY






CALIDAD
SEGURIDAD


NONO BELO
SACA BELO








ALL
KIND OF
STREET
WEAR






NGELION